

S5 of adjusting the horizontal writing time Mh and a vertical writing time Mr respectively

according to the following formulae:

*a10*  
*concl.*

$$Mh = Mhs - [Phr-HRC] \quad \dots (3)$$

$$Mv = Mvs - [Pvr-VRC] \quad \dots (4)$$

If the comparison results at step S4 are equal, an operation at step S6 is performed. --

---

Please substitute the paragraph beginning at page 16, line 2, with the following. A marked-up copy of this paragraph, showing the changes made thereto, is attached in Appendix A.

---

*a11*

-- By effecting the above display position adjustment sequence just before displaying a first picture after turning on power supply to the picture display apparatus or just before displaying a first picture according to a new picture signal format after converting the previous picture signal format to the new picture signal format, it is possible to provide a display system wherein an operator is not aware of a display picture positional deviation. --

---

IN THE CLAIMS:

Please AMEND claims 1-4 as follows. A marked-up copy of the amended claims showing the changes made thereto is attached. Note that all the claims currently pending in this application, have been reproduced below for the Examiner's convenience.

*Sub B1*  
*a12*

1. (Amended) A picture display apparatus for displaying a picture in response to inputted picture signals of an arbitrary format, said apparatus comprising:

a picture display unit having an arranged matrix of dots for picture display;

picture display unit drive means for converting inputted picture signals into display picture signals adapted for display on the picture display unit and generating drive timing signals for driving the picture display unit, said picture display unit drive means including a picture memory for storing picture signals inputted into the picture memory;

display position detection means for detecting a picture display position on the picture display unit based on the display picture signals and the drive timing signals; and

display position control means for controlling a timing of admission of the inputted picture signals to the picture memory of said picture display unit drive means, based on the detected display position data from the display position detection means,

wherein said picture display unit, said picture display unit drive means, said display position detection means and said display position control means are integrated to form said picture display apparatus for receiving inputted picture signals of an arbitrary format.

2. (Amended) A picture display apparatus according to Claim 1, wherein said picture display unit drive means generates a horizontal synchronizing signal, a vertical synchronizing signal and a pixel clock signal as the drive timing signals.

3. (Amended) A picture display apparatus according to Claim 2, wherein said display position detection means detects a horizontal commencement position of a picture displayed on the picture display unit in terms of a number of pixel clock signals from a rise of the horizontal synchronizing signal until first detection of the display picture signals, and detects a horizontal

termination position of the picture in terms of a number of the pixel clock signals from the rise of the horizontal synchronizing signal until the termination of the display picture signals, respectively, during one horizontal scanning period, and further detects a vertical commencement position of the picture in terms of a number of horizontal synchronizing signals from a rise of the vertical synchronizing signal until first detection of the display picture signals, and detects a vertical termination position of the picture in terms of a number of horizontal synchronizing signals from the rise of the vertical synchronizing signals until the termination of the display picture signals, respectively, in one vertical scanning period, and

the display position control means controls a timing of admitting the inputted picture signals into the picture memory in the picture display unit drive means, based on a difference between detected position data and set timing data for outputting display picture signals, thereby automatically adjusting a picture display position.

4. (Amended) A picture display apparatus according to Claim 3, wherein said display position control means is further equipped with a preset data memory for storing ideal values for timing of writing in the picture memory, respectively corresponding to a plurality of formats of the inputted picture signals, and means for judging a format of the inputted picture signals based on an inputted horizontal synchronizing signal and an inputted vertical synchronizing signal accompanying the inputted picture signals and for reading out the ideal value of the judged format of the inputted display picture signals.